U.S. GEOLOGICAL SURVEY
GEORGE OTIS SMITH
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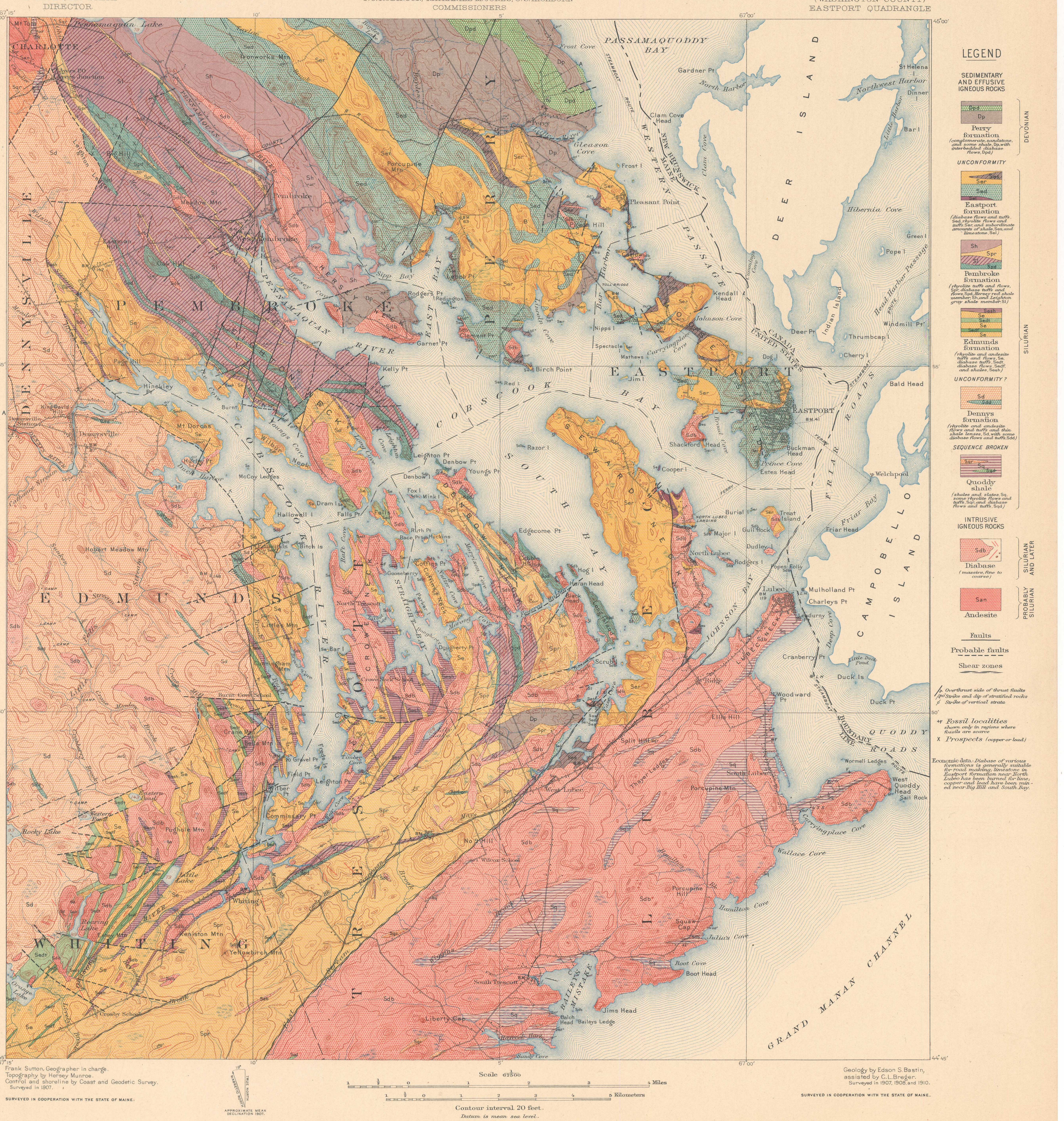
AREAL GEOLOGY

STATE OF MAINE
F.C. ROBINSON, NATHANIEL M. JONES, C.S. HICHBORN
COMMISSIONERS

MAINE
(WASHINGTON COUNTY)
EASTPORT QUADRANGLE



LEGEND
SEDIMENTARY AND EFFUSIVE IGNEOUS ROCKS
Dpd
Dp
Perry formation
(conglomerate, sandstone, and some shale, Dp, with interbedded diabase flows, Dpd)
DEVONIAN
UNCONFORMITY
Ses
Ser
Sed
Sel
Eastport formation
(diabase flows and tuffs, Sed, rhyolite flows and tuffs, Ser, and subordinate amounts of shale, Ses, and limestone, Sel)
Sh
Spr
Sl
Spd
Pembroke formation
(rhyolite tuffs and flows, Spr, diabase tuffs and flows, Spd, Hersey red shale member, Sh, and Leighton gray shale member, Sl)
Sesh
Se
Sedt
Se
Sedf
Se
Edmunds formation
(rhyolite and andesite tuffs and flows, Se, diabase tuffs, Sedt, diabase flows, Sedf, and shales, Sesh)
SILURIAN
UNCONFORMITY ?
Sd
Sdd
Dennys formation
(rhyolite and andesite flows and tuffs and thin shale lenses, Sd, with some diabase flows and tuffs, Sdd)
SEQUENCE BROKEN
Sqr
Sq
Sqd
Quoddy shale
(shales and slates, Sq, some rhyolite flows and tuffs, Sqr, and diabase flows and tuffs, Sqd)
INTRUSIVE IGNEOUS ROCKS
Sdb
Diabase
(massive, fine to coarse)
SILURIAN AND LATER
San
Andesite
PROBABLY SILURIAN
Faults
Probable faults
Shear zones
Overthrust side of thrust faults
Strike and dip of stratified rocks
Strike of vertical strata
Fossil localities shown only in regions where fossils are scarce
Prospects (copper or lead)
Economic data: Diabase of various formations is generally suitable for road making; limestone in Eastport formation near North Lubec has been burned for lime; copper and lead have been mined near Big Hill and South Bay.
PASSAMAQUODDY BAY
DEER ISLAND
CAMPOBELLO ISLAND
GRAND MANAN CHANNEL
QUODDY ROADS
FRIAR ROADS
WESTERN PASSAGE
COBSCOOK BAY
SOUTH BAY
PEMBROKE
PERRY
EASTPORT
DENNYSVILLE
EDMUNDS
TRESCOTT
WHITING
LUBEC
CHARLOTTE
Pembroke
West Pembroke
Eastport
Lubec
Whiting
Dennysville
West Quoddy Head

Frank Sutton, Geographer in charge.
Topography by Hersey Munroe.
Control and shoreline by Coast and Geodetic Survey.
Surveyed in 1907.

SURVEYED IN COOPERATION WITH THE STATE OF MAINE.

APPROXIMATE MEAN DECLINATION 1907.

Scale 1/62500

Contour interval 20 feet.
Datum is mean sea level.
Edition of April 1913.

Geology by Edson S. Bastin,
assisted by C.L. Breger.
Surveyed in 1907, 1908, and 1910.

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